

GenCore version 5.1.4-ps-4578
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OM protein - protein search, using sw model

Run on: April 8, 2003, 14:23:21 : Search time 16 seconds
(without alignments)
1002.218 Million cell updates/sec

Title: US-09-001-737-8
Perfect score: 2663
Sequence: 1 MAKEIFESADARAAMVRCVD.....TPAPAMPAGMDPCMGCMG 545

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued-Patents-AA:*
1: /cgn2_6/ptodata/1/1aa/5A.COMB.pep:*
2: /cgn2_6/ptodata/1/1aa/5B.COMB.pep:*
3: /cgn2_6/ptodata/1/1aa/6A.COMB.pep:*
4: /cgn2_6/ptodata/1/1aa/6B.COMB.pep:*
5: /cgn2_6/ptodata/1/1aa/PCUS.COMB.pep:*
6: /cgn2_6/ptodata/1/1aa/Backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1833.5	68.9	540	US-09-134-001C-4705	Sequence 4705, App
2	1671	62.7	541	US-08-997-080-160	Sequence 160, App
3	1671	62.7	541	US-08-997-362-160	Sequence 160, App
4	1671	62.7	541	US-09-095-855-160	Sequence 160, App
5	1671	62.7	541	US-09-324-542-160	Sequence 160, App
6	1671	62.7	541	US-09-205-426-160	Sequence 160, App
7	1643	61.7	523	US-08-997-080-114	Sequence 114, App
8	1643	61.7	523	US-08-997-362-114	Sequence 114, App
9	1643	61.7	523	US-09-095-855-114	Sequence 114, App
10	1643	61.7	523	US-09-324-542-114	Sequence 114, App
11	1643	61.7	523	US-09-205-426-114	Sequence 114, App
12	1639.5	61.6	540	US-08-461-722-4	Sequence 4, App11
13	1639.5	61.6	540	US-08-336-251-4	Sequence 4, App11
14	1639.5	61.6	540	US-08-467-822-34	Sequence 34, App1
15	1639.5	61.6	541	US-08-467-822-34	Sequence 34, App1
16	1639.5	61.6	541	US-08-467-822-34	Sequence 34, App1
17	1639.5	61.6	541	US-08-467-822-34	Sequence 34, App1
18	1639.5	61.6	541	US-08-467-822-34	Sequence 34, App1
19	1638	61.5	548	US-08-466-248-34	Sequence 34, App1
20	1638	61.5	548	US-09-472-971-3	Sequence 3, App11
21	1638	61.5	548	US-08-433-697-32	Sequence 32, App1
22	1638	61.5	548	US-08-466-248-32	Sequence 32, App1
23	1636	61.4	546	US-08-470-260-6	Sequence 6, App11
24	1636	61.4	546	US-08-471-491-6	Sequence 6, App11
25	1636	61.4	546	US-08-466-662-6	Sequence 6, App11
26	1636	61.4	546	US-08-256-847C-1	Sequence 1, App11
27	1636	61.4	546	US-08-256-847C-7	Sequence 7, App11

28	1630	61.2	540	2	US-08-368-834-20	Sequence 20, App1
29	1627.5	61.1	547	4	US-08-461-722-2	Sequence 2, App11
30	1627.5	61.1	547	4	US-08-336-251-2	Sequence 2, App11
31	1627.5	61.1	547	5	PCT-US94-06362-2	Sequence 2, App11
32	1625	61.0	540	4	US-08-461-722-3	Sequence 3, App11
33	1625	61.0	540	4	US-08-336-251-3	Sequence 3, App11
34	1625	61.0	540	5	PCT-US94-06362-3	Sequence 3, App11
35	1616.5	60.7	545	2	US-08-432-697-30	Sequence 30, App1
36	1616.5	60.7	545	2	US-08-466-248-30	Sequence 30, App1
37	1616.5	60.7	545	2	US-08-466-248-30	Sequence 30, App1
38	1583.5	59.5	548	2	US-08-467-822-31	Sequence 31, App1
39	1583.5	59.5	548	4	US-08-432-697-31	Sequence 31, App1
40	1583.5	59.5	548	4	US-08-466-248-31	Sequence 31, App1
41	1516	56.9	544	2	US-08-467-822-33	Sequence 33, App1
42	1516	56.9	544	2	US-08-467-822-33	Sequence 33, App1
43	1516	56.9	544	4	US-08-466-248-33	Sequence 33, App1
44	1336	50.2	573	4	US-08-461-722-1	Sequence 1, App11
45	1336	50.2	573	4	US-08-336-251-1	Sequence 1, App11

ALIGNMENTS

RESULT 1
US-09-134-001C-4705
Sequence 4705, Application US/09134001C
Patent No. 6360370
GENERAL INFORMATION:
APPLICANT: Lynn Doucette-Stamm et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: GTC-007
CURRENT APPLICATION NUMBER: US/09/134,001C
PRIOR FILING DATE: 1998-08-13
PRIOR APPLICATION NUMBER: US 60/064,964
PRIOR FILING DATE: 1997-11-08
PRIOR APPLICATION NUMBER: US 60/055,779
NUMBER OF SEQ ID NOS: 5674
SEQ ID NO 4705
LENGTH: 540
TYPE: PRT
ORGANISM: Staphylococcus epidermidis
US-09-134-001C-4705

Query Match	68.9%	Score 1833.5	DB 4	Length 540
Best Local Similarity	66.5%	Pred. No. 3.7e-143		
Matches 359	Conservative 87	Mismatches 93	Indels 1	Gaps 1
1	MAKEIFESADARAAMVRCVDMLADYKVTGAPGRNVLKFAFSPPLTNDGVIAEIE 60			
2	MARDLFSEDRQAMLRGVOKLANAVKVTIGPGRNVLDVDTPLTNDGVIAEIE 61			
61	LEDPENMGAKLVEVASKTNDIAGDGTATVLTQATVHGLKNTYAGANPGRIGIE 120			
62	LEDPENMGAKLVEVASKTNDIAGDGTATVLTQATVHGLKNTYAGANPGRIGIE 121			
121	TARTVVEALAKIAPYSGKEALAOYAVSREKGEYISEAMERYGNDVYITRESRG 180			
122	KAQVAIELEHIEISQKVENKEALAGVISADEEIGRISEADKADGVDYITRESRG 181			
181	METELEVEGQDFRGYLSQYVTDNEXVADLENFLLITDKKVSNDIILPLEEYVK 240			
182	FNTELEVEGQDFRGYLSQYVTDNEXVADLENFLLITDKKVSNDIILPLEEYVK 241			
241	TNRPPLIADVDDEALPTLVNKRIGTFNVVAVKAPGFGRRKAMLEIALTGCVIT 300			
242	ASRPPLIADVDDEALPTLVNKRIGTFNVVAVKAPGFGRRKAMLEIALTGCVIT 301			
301	EDGELADATMTALGOAKITVDSDVVEGSSSAIANRPAIKSOLLETTSPDFR 360			
302	DDGELADATMTALGOAKITVDSDVVEGSSSAIANRPAIKSOLLETTSPDFR 361			

QY 361 EKLDERLAKLAGVAVIKVAPETALKEMLKRIEDALNATRAAVEGIVAGGATLTV 420
 DB 362 EKITESAGTLPGVAVVQVWVGSGSETELKERKRIEDALNSTRAAVEGIVAGGATLTV 421
 QY 421 IEKVALELEDGDDATGRTNIVLRALPEPRQJALAMAGEGSVYIKLNSPAGTGNATG 460
 DB 422 YOKVSEIKAGGVETGVNIVLAKLQAPVROJAEKALBESISIVERLHMAVGGNATN 461
 QY 461 EMDVMKRTGIIDPVVTRSRALONNAAVASLITTEAVANKPEPATAPAMAGDPCGM 540
 DB 462 EMDVMLEEDIVPTKVTSRALONNAAVASLITTEAVANSIPEDENNEPQMGCM-FCGM 540
 RESULT 2
 US-08-997-080-160
 Sequence 160, Application US/08997080
 Patent No. 5968524
 GENERAL INFORMATION:
 APPLICANT: WATSON, JAMES D.
 APPLICANT: TAN, PAUL L.J.
 TITLE OF INVENTION: METHODS AND COMPOUNDS FOR THE TREATMENT OF IMMUNOLOGICALLY-
 NUMBER OF SEQUENCES: 194
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Law Offices of Ann W. Speckman
 STREET: 2601 Elliott Avenue, Suite 4185
 CITY: Seattle
 STATE: WA
 COUNTRY: USA
 ZIP: 98121
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FASTSEQ for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/997,080
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Sleath, Janet
 REGISTRATION NUMBER: 37,007
 REFERENCE/DOCKET NUMBER: 11000,1007
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 206-269-0565
 TELEFAX: 206-269-0563
 TELEX:
 INFORMATION FOR SEQ ID NO: 160:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 541 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 US-08-997-080-160
 Query Match 62.7%; Score 1671; DB 2; Length 541;
 Best Local Similarity 62.1%; Pred. No. 9,6e-130;
 Matches 337; Conservative 84; Mismatches 118; Indels 4; Gaps 1;

QY 181 METELEVEGMDPDRGVLQYMTTNDENKVNADLENPFILITOKKVNIOIDILPLEEVK 240
 DB 181 FGLQLELEEGMRDNGVYISGFYTDAREQANLEDPYILLYSSKSVTKDLPLEKVIQ 240
 QY 241 TRBPLIITADYNGCALPILYKINGTENVYAKARPGDPRKMDIILITGVT 300
 DB 241 AKRPLIITADYNGCALPILYKINGTENVYAKARPGDPRKMDIILITGVT 300
 QY 301 EQLGLEKDKTMTALGOAKITVDKSTIYVEGSGSEAIANRILIKSLETTSDFR 360
 DB 301 EVGLGLEKDKTMTALGOAKITVDKSTIYVEGSGSDALAGVQIAELIENSDYGR 360
 QY 361 EKLDERLAKLAGVAVIKVAPETALKEMLKRIEDALNATRAAVEGIVAGGATLTV 420
 DB 362 EKITESAGTLPGVAVVQVWVGSGSETELKERKRIEDALNSTRAAVEGIVAGGATLTV 421
 QY 421 IEKVALELEDGDDATGRTNIVLRALPEPRQJALAMAGEGSVYIKLNSPAGTGNATG 460
 DB 422 YOKVSEIKAGGVETGVNIVLAKLQAPVROJAEKALBESISIVERLHMAVGGNATN 461
 QY 461 EMDVMKRTGIIDPVVTRSRALONNAAVASLITTEAVANKPEPATAPAMAGDPCGM 540
 DB 462 EMDVMLEEDIVPTKVTSRALONNAAVASLITTEAVANSIPEDENNEPQMGCM-FCGM 540
 QY 541 GCM 543
 DB 537 GCM 539
 RESULT 3
 US-08-997-362-160
 Sequence 160, Application US/08997362
 Patent No. 5985287
 GENERAL INFORMATION:
 APPLICANT: Tan, Paul
 APPLICANT: Hiyaama, Jun
 APPLICANT: Visser, Elizabeth
 APPLICANT: Skinner, Margot
 APPLICANT: Scott, Linda
 APPLICANT: Prestidge, Ross
 TITLE OF INVENTION: COMPOUNDS AND METHODS FOR
 NUMBER OF SEQUENCES: 194
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Law Offices of Ann W. Speckman
 STREET: 2601 Elliott Avenue, Suite 4185
 CITY: Seattle
 STATE: WA
 COUNTRY: USA
 ZIP: 98121
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FASTSEQ for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/997,362
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: U.S. Patent Application No. 5985287 08/873,970
 FILING DATE: June 12, 1997
 APPLICATION NUMBER: U.S. Patent Application No. 5985287 08/705,347
 FILING DATE: August 29, 1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Sleath, Janet
 REGISTRATION NUMBER: 37,007
 REFERENCE/DOCKET NUMBER: 11000,1002c2
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 206-269-0565
 TELEFAX: 206-269-0563
 TELEX:
 INFORMATION FOR SEQ ID NO: 160:

Wed Apr 16 08:08:21 2003

us-09-001-737-8.rai

Page 3

SEQUENCE CHARACTERISTICS:
LENGTH: 541 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-997-362-160

Query Match 62.7% Score 1671; DB 2; Length 541;
Best Local Similarity 62.1%; Pred. No. 9,66-130;
Matches 337; Conservative 84; Mismatches 118; Indels 4; Gaps 1;

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DB 1 MAKTIAYDEEARGLERGLNLAADAVKVLGPGKRNVLLEKMGAPLITDGVITAKEIE 60
OY 61 LEDHFNMGAKLYSEVASKTNDIAGDGTATVLAQAVHGLKNTAGANPIGIRGIE 120
DB 61 LEDPEKIGALVEVAKKTDVAGDGTATVLAQALVREGLRNVAAGANPILKRGIE 120
OY 121 TATATAVEALKAIAPVSGKEIAIOVAASSRSEKVEYISEAMERGVNDGVITTEESRG 180
DB 121 KAVEAVTOSLSKAEVEKREISATTAISAGDTGIGELIEMADKVGNGEYITVEESNT 180
OY 181 METELEVEGMOFDRGLSQVWTDNEKRVADLENPFILITDKVSNIDILPLEEVLK 240
DB 181 FGLQLETEGMRFDKGYISGFVTDAREQAVLEDPYILVSSVSTVKRLPLEEKVIO 240
OY 241 TNRPLLIADVDGALPTVLNKRIGTFNNVAVKAPGGRKRAMLEDIALITGTVIT 300
DB 241 AKGPLLIIEDEVEGALSTLVYNNKIRGTFKSAVAPGGRKRAMLOMIALITGGOVYS 300
OY 301 EDGLKLDATMTALGOAKITVDKSTVYEGSSSAIANRIALIKSOLETTSPDR 360
DB 301 ERVGLSETADVSLGQARKVYVTKDETFIVGSDSDAIAAGVAKIRAEIENDSDYDR 360
OY 361 EKLQERLAKLAGVAIVKGAAPTETALKEMKLRIDALNATRAAVEGIVAGGTALITV 420
DB 361 EKLQERLAKLAGVAIVKGAAPTETALKEMKLRIDAVRNAAKAAVEGIVAGGTALITV 420
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DB 421 APALDGLTGDERTAGNIVRLASPLKQIAFNGGLEPGVYAEKVSINLPAGHGLNATG 480
OY 481 EYWDMIKTGIIDPVKTRSAIONAASVSLITTEAVANKPEPATPAMPAGMDGGM 540
DB 481 EYEDLLKAGVADPVKTRSAIONAASIALFLTTEAVVADKPEKA----SAPAGDPGGM 536
OY 541 GGM 543
DB 537 GGM 539

RESULT 4
US-09-095-855-160
Sequence 160, Application US/09095855
Patent No. 6160093
GENERAL INFORMATION:
APPLICANT: Tan, Paul
APPLICANT: Viseer, Elizabeth
APPLICANT: Skinner, Margot
TITLE OF INVENTION: Compounds and Methods for
NUMBER OF SEQUENCES: 208
TREATMENT AND DIAGNOSIS OF MYCOBACTERIAL INFECTIONS
CORRESPONDENCE ADDRESS:
ADDRESS: Law Offices of Ann W. Speckman
STREET: 2601 Elliott Avenue, Suite 4185
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98121
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/095, 855
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/705,347
FILING DATE: 29-AUG-1996
APPLICATION NUMBER: 08/873,970
FILING DATE: 12-JUN-1997
APPLICATION NUMBER: 08/997,362
FILING DATE: 23-DEC-1997
ATTORNEY/AGENT INFORMATION:
NAME: Sleath, Janet
REGISTRATION NUMBER: 37,007
REFERENCE/DOCKET NUMBER: 11000,1002c3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206-269-0565
TELEFAX: 206-269-0563
TELEX:
INFORMATION FOR SEQ ID NO: 160:
SEQUENCE CHARACTERISTICS:
LENGTH: 541 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-095-855-160
Query Match 62.7% Score 1671; DB 4; Length 541;
Best Local Similarity 62.1%; Pred. No. 9,66-130;
Matches 337; Conservative 84; Mismatches 118; Indels 4; Gaps 1;

OY 1 MAKEIRFSDARAAMVGVDMADTVKVTGPGKRNVLLEKAFSPPLITDGVITAKEIE 60
DB 1 MAKTIAYDEEARGLERGLNLAADAVKVLGPGKRNVLLEKMGAPLITDGVITAKEIE 60
OY 61 LEDHFNMGAKLYSEVASKTNDIAGDGTATVLAQAVHGLKNTAGANPIGIRGIE 120
DB 61 LEDPEKIGALVEVAKKTDVAGDGTATVLAQALVREGLRNVAAGANPILKRGIE 120
OY 121 TATATAVEALKAIAPVSGKEIAIOVAASSRSEKVEYISEAMERGVNDGVITTEESRG 180
DB 121 KAVEAVTOSLSKAEVEKREISATTAISAGDTGIGELIEMADKVGNGEYITVEESNT 180
OY 181 METELEVEGMOFDRGLSQVWTDNEKRVADLENPFILITDKVSNIDILPLEEVLK 240
DB 181 FGLQLETEGMRFDKGYISGFVTDAREQAVLEDPYILVSSVSTVKRLPLEEKVIO 240
OY 241 TNRPLLIADVDGALPTVLNKRIGTFNNVAVKAPGGRKRAMLEDIALITGTVIT 300
DB 241 AKGPLLIIEDEVEGALSTLVYNNKIRGTFKSAVAPGGRKRAMLOMIALITGGOVYS 300
OY 301 EDGLKLDATMTALGOAKITVDKSTVYEGSSSAIANRIALIKSOLETTSPDR 360
DB 301 ERVGLSETADVSLGQARKVYVTKDETFIVGSDSDAIAAGVAKIRAEIENDSDYDR 360
OY 361 EKLQERLAKLAGVAIVKGAAPTETALKEMKLRIDALNATRAAVEGIVAGGTALITV 420
DB 361 EKLQERLAKLAGVAIVKGAAPTETALKEMKLRIDAVRNAAKAAVEGIVAGGTALITV 420
OY 421 IEKVALELEGGDATGRNIVLALPEPVROIALNAGYEGSVYIDKLNSPAGTGNATG 480
DB 421 APALDGLTGDERTAGNIVRLASPLKQIAFNGGLEPGVYAEKVSINLPAGHGLNATG 480
OY 481 EYWDMIKTGIIDPVKTRSAIONAASVSLITTEAVANKPEPATPAMPAGMDGGM 540
DB 481 EYEDLLKAGVADPVKTRSAIONAASIALFLTTEAVVADKPEKA----SAPAGDPGGM 536
OY 541 GGM 543
DB 537 GGM 539

RESULT 5
 US-09-324-542-160
 ; Sequence 160, Application US/09324542
 ; Patent No. 6328578
 ; GENERAL INFORMATION:
 ; APPLICANT: Watson, James D.
 ; APPLICANT: Tan, Paul L. J.
 ; TITLE OF INVENTION: Methods and Compounds for the Treatment
 ; TITLE OF INVENTION: Methods and Compounds for the Treatment
 ; FILE REFERENCE: 11000.1007c1
 ; CURRENT APPLICATION NUMBER: US/09/324,542
 ; EARLIER FILING DATE: 1999-06-02
 ; EARLIER APPLICATION NUMBER: US 08/997,080
 ; EARLIER FILING DATE: 1997-12-23
 ; NUMBER OF SEQ ID NOS: 194
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 160
 ; LENGTH: 541
 ; TYPE: PRN
 ; ORGANISM: Mycobacterium vaccae
 US-09-324-542-160

Query Match 62.7%; Score 1671; DB 4; Length 541;
 Best Local Similarity 62.1%; Pred. No. 9,6e-130;
 Matches 337; Conservative 84; Mismatches 118; Indels 4; Gaps 1;

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OY 1 MAKEIFSDARAAVGVMDLADTVKTLGPGKRVNVLKAFGSPITNDGVTIAKEIE 60
DB 1 MAKTIIVDEARNGELNGLADAVKVTLGPGKRVNVLKAFGSPITNDGVTIAKEIE 60
OY 61 LEDHEFMGAKLVSEVASKTNDIAGDGTATVLTQAIYHEGLKAVTAGANPIGIRGIE 120
DB 61 LEDPYKICAEVYKAKTIDVAGDGTATVLTQAIYHEGLKAVTAGANPIGIRGIE 120
OY 121 TATATVAELKAIAPVSGKEAIAOVAAYSSRSSEKGEYISSEMERVNDGVITIEESRG 180
DB 121 KAVEATVOSLSKAEVETKEQISATPAISAGDTQIGELIAEMDVGNEGVITIEESNT 180
OY 181 METELEVEGMOFDRGYLSQVWNTDNEMKAVADLENPFILITDKKVSNIODILPLEEVLK 240
DB 181 FGLQLELTGMRFPDGYISGYFTVDAERQAEVLEDPYILVSSKVSVDLPLEEVLQ 240
OY 241 TNRPLLIADVDGEALPTLVNKRIGTFNVAVKAPGDRRKAMLEDAITLGTGYIT 300
DB 241 AGRPLIIAEDVEGALSTLVNKRIGTFNVAVKAPGDRRKAMLEDAITLGTGYIT 300
OY 301 EDLGLKDATMTALGOAKITVDKSTVIYEGSSSEAIANRIALIKSOLETTSDPDR 360
DB 301 ERVGLSLETAADVSLGQARKVYVTKDETIVYEGSSSDAIAGRAQIRAEIENSDDYDR 360
OY 361 EKLQERLAKLAGVAVIKGAPETETALKEMKLRIEDALNATRAVEGIVAGGTAITIV 420
DB 361 EKLQERLAKLAGVAVIKGAPETETALKEMKLRIEDALNATRAVEGIVAGGTAITIV 420
OY 421 IEKVALELEGDDATGRNIVLRALEBPVQIALNAGYEGSVYIDKLKNSPAGTGFNATG 480
DB 421 APALDDGLTGDENATGRNIVLRALEBPVQIALNAGYEGSVYIDKLKNSPAGTGFNATG 480
OY 481 EWDMIKTGIIDPVKTVTSALONAAVASLITTEAVYANKPEPATPAPAPAGMDPOM 540
DB 481 EYEDLLKAGVADPVKTVTSALONAAVASLITTEAVYANKPEPATPAPAPAGMDPOM 540
OY 541 GGM 543
DB 537 GGM 539
  
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RESULT 6
 US-09-205-426-160
 ; Sequence 160, Application US/09205426

Patent No. 6406704
 ; GENERAL INFORMATION:
 ; APPLICANT: Watson, James D.
 ; APPLICANT: Tan, Paul L. J.
 ; TITLE OF INVENTION: Compounds and Methods for Treatment and
 ; TITLE OF INVENTION: Diagnosis of Mycobacterial Infections
 ; FILE REFERENCE: 11000.1002c4
 ; CURRENT APPLICATION NUMBER: US/09/205,426
 ; EARLIER FILING DATE: 1998-12-04
 ; EARLIER APPLICATION NUMBER: 09/095,855
 ; EARLIER FILING DATE: 1998-06-11
 ; EARLIER APPLICATION NUMBER: 08/997,362
 ; EARLIER FILING DATE: 1997-12-23
 ; EARLIER APPLICATION NUMBER: 08/873,970
 ; EARLIER FILING DATE: 1997-06-12
 ; EARLIER APPLICATION NUMBER: 08/705,347
 ; EARLIER FILING DATE: 1996-08-29
 ; NUMBER OF SEQ ID NOS: 208
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 160
 ; LENGTH: 541
 ; TYPE: PRN
 ; ORGANISM: Mycobacterium vaccae
 US-09-205-426-160

Query Match 62.7%; Score 1671; DB 4; Length 541;
 Best Local Similarity 62.1%; Pred. No. 9,6e-130;
 Matches 337; Conservative 84; Mismatches 118; Indels 4; Gaps 1;

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OY 1 MAKEIFSDARAAVGVMDLADTVKTLGPGKRVNVLKAFGSPITNDGVTIAKEIE 60
DB 1 MAKTIIVDEARNGELNGLADAVKVTLGPGKRVNVLKAFGSPITNDGVTIAKEIE 60
OY 61 LEDHEFMGAKLVSEVASKTNDIAGDGTATVLTQAIYHEGLKAVTAGANPIGIRGIE 120
DB 61 LEDPYKICAEVYKAKTIDVAGDGTATVLTQAIYHEGLKAVTAGANPIGIRGIE 120
OY 121 TATATVAELKAIAPVSGKEAIAOVAAYSSRSSEKGEYISSEMERVNDGVITIEESRG 180
DB 121 KAVEATVOSLSKAEVETKEQISATPAISAGDTQIGELIAEMDVGNEGVITIEESNT 180
OY 181 METELEVEGMOFDRGYLSQVWNTDNEMKAVADLENPFILITDKKVSNIODILPLEEVLK 240
DB 181 FGLQLELTGMRFPDGYISGYFTVDAERQAEVLEDPYILVSSKVSVDLPLEEVLQ 240
OY 241 TNRPLLIADVDGEALPTLVNKRIGTFNVAVKAPGDRRKAMLEDAITLGTGYIT 300
DB 241 AGRPLIIAEDVEGALSTLVNKRIGTFNVAVKAPGDRRKAMLEDAITLGTGYIT 300
OY 301 EDLGLKDATMTALGOAKITVDKSTVIYEGSSSEAIANRIALIKSOLETTSDPDR 360
DB 301 ERVGLSLETAADVSLGQARKVYVTKDETIVYEGSSSDAIAGRAQIRAEIENSDDYDR 360
OY 361 EKLQERLAKLAGVAVIKGAPETETALKEMKLRIEDALNATRAVEGIVAGGTAITIV 420
DB 361 EKLQERLAKLAGVAVIKGAPETETALKEMKLRIEDALNATRAVEGIVAGGTAITIV 420
OY 421 IEKVALELEGDDATGRNIVLRALEBPVQIALNAGYEGSVYIDKLKNSPAGTGFNATG 480
DB 421 APALDDGLTGDENATGRNIVLRALEBPVQIALNAGYEGSVYIDKLKNSPAGTGFNATG 480
OY 481 EWDMIKTGIIDPVKTVTSALONAAVASLITTEAVYANKPEPATPAPAPAGMDPOM 540
DB 481 EYEDLLKAGVADPVKTVTSALONAAVASLITTEAVYANKPEPATPAPAPAGMDPOM 540
OY 541 GGM 543
DB 537 GGM 539
  
```

RESULT 7
 US-08-997-080-114
 ; Sequence 114, Application US/08997080

Patent No. 5968524
GENERAL INFORMATION:
APPLICANT: MATSON, JAMES D.
APPLICANT: TAN, PAUL L-J
TITLE OF INVENTION: METHODS AND COMPOUNDS FOR THE TREATMENT OF IMMUNOLOGICALLY-
NUMBER OF SEQUENCES: 194
CORRESPONDENCE ADDRESS:
ADDRESSEE: Law Offices of Ann W. Speckman
STREET: 2601 Elliott Avenue, Suite 4185
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98121
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/997,080
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Sleath, Janet
REGISTRATION NUMBER: 37,007
REFERENCE/DOCKET NUMBER: 11000,1007
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206-269-0565
TELEFAX: 206-269-0563
TELEX:
INFORMATION FOR SEQ ID NO: 114:
SEQUENCE CHARACTERISTICS:
LENGTH: 523 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-997-080-114

Query Match 61.7%; Score 1643; DB 2; Length 523;
Best Local Similarity 62.7%; Pred. No. 1,9e-127;
Matches 328; Conservative 83; Mismatches 112; Indels 0; Gaps 0;

QY 1 MAKEIFSDARAARAVGVDMADTVKYLGPGRNVYLEKAFSGSPITINDGVTAKEIE 60
DB 1 MANTIAVDEARGLERGLNADAVKVTLPGRNVYLEKRWAPITINDGVSTAKEIE 60
QY 61 LEDHEFNKAKLVSEVASTNDIAGDGTATVLTQAVIHEGLKNVYAGANPIGRGIE 120
DB 61 LEDPEKIGALVEYAKKTDVADGDTTATVLAQALVREGLNVAAGANPIGLKRGIE 120
QY 121 TATATAVEALKAIPVSGKEAIAOVAASRSREKGEYISEAMERNGDVTIERSRG 180
DB 121 KAVEATQSLKSAKEVETKEQISATAISAGDTQGLIEAMDKNGECYIVESSN 180
QY 181 METELEVEGKOPRGVLSQVAVTNDNEKAVADENPELLIDKRVISIDITPLEVEYLK 240
DB 181 FGLQLELREGMRDKGITISGYVTDAERQAVLEDPITLLVSSKVSIVAKDLPLEVEYIQ 240
QY 241 TNRPLIITADVDGALPTLVANKIRGTENVAVKAPFGDRKKAMLEDIALIGSGVIT 300
DB 241 AKGFLIITADVDGALPTLVANKIRGTENVAVKAPFGDRKKAMLEDIALIGSGVIT 300
QY 301 EDLGLKDATWALGQAQKITVVKDSFVIVEGSSSAIANRIALIKSQLETTTSDFDR 360
DB 301 ERVGLSTETADVSLGQARKVYVTKDETTIVEGSDSDAIGRAQIRAEIENSDDYDR 360
QY 361 EKLOERLAKLAGVAIVKYGAVTETALKEKRLRIDALNATRAAVEGIVAGGCTALITY 420
DB 361 EKLOERLAKLAGVAIVKYGAVTETALKEKRLRIDAVRNAKAAVEGIVAGGVALLS 420

QY 421 IEKVAALEEGDQATGRNIVLALPEEPRIALNMGEGSVYIDKLKNSPAGTGFNAATG 480
DB 421 APALDGLTGTDEGTANIVRALAPLKOIAFNGELPEGVAAKYSNLPAGHGLNAATG 480
QY 481 EWMVDIKTGIIDPKVYTRSAIONAASVASLITTAIVANKPE 523
DB 481 EYEDLLKAGVADPKVYTRSAIONAASIASLALPITTAIVANKPE 523

RESULT 8
US-08-997-362-114
Sequence 114, Application US/08997362
Patent No. 5985287

GENERAL INFORMATION:
APPLICANT: Tan, Paul
APPLICANT: Hiyma, Jun
APPLICANT: Visser, Elizabeth
APPLICANT: Skinner, Margot
APPLICANT: Scott, Linda
APPLICANT: Prestidge, Ross
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR
TREATMENT AND DIAGNOSIS OF MYCOBACTERIAL INFECTIONS
NUMBER OF SEQUENCES: 194
CORRESPONDENCE ADDRESS:
ADDRESSEE: Law Offices of Ann W. Speckman
STREET: 2601 Elliott Avenue, Suite 4185
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98121
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/997,362
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: U.S. Patent Application No. 5985287 08/873,970
FILING DATE: June 12, 1997
APPLICATION NUMBER: U.S. Patent Application No. 5985287 08/705,347
FILING DATE: August 29, 1996
ATTORNEY/AGENT INFORMATION:
NAME: Sleath, Janet
REGISTRATION NUMBER: 37,007
REFERENCE/DOCKET NUMBER: 11000,1002c2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206-269-0565
TELEFAX: 206-269-0563
TELEX:
INFORMATION FOR SEQ ID NO: 114:
SEQUENCE CHARACTERISTICS:
LENGTH: 523 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-997-362-114

Query Match 61.7%; Score 1643; DB 2; Length 523;
Best Local Similarity 62.7%; Pred. No. 1,9e-127;
Matches 328; Conservative 83; Mismatches 112; Indels 0; Gaps 0;

QY 1 MAKEIFSDARAARAVGVDMADTVKYLGPGRNVYLEKAFSGSPITINDGVTAKEIE 60
DB 1 MANTIAVDEARGLERGLNADAVKVTLPGRNVYLEKRWAPITINDGVSTAKEIE 60
QY 61 LEDHEFNKAKLVSEVASTNDIAGDGTATVLTQAVIHEGLKNVYAGANPIGRGIE 120
DB 61 LEDPEKIGALVEYAKKTDVADGDTTATVLAQALVREGLNVAAGANPIGLKRGIE 120

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OY 121 TATATVETAKAIAPYSGKEALQVAAVSSRSEKVEYISSEMERVNDGVITIEESRG 180
DB 121 KAVEAVTQSLKSAKEVERKEQISATASAGDTQIGELIAEMDKVNEGIVIEESWT 180
OY 181 METELEVEGNOFDRGYLSQVWYTDNENKAVADLENPFLITTDKYSNIQDILPLEEVK 240
DB 181 FGLQLEIEGARDKGYISGFVTDAROEAVLEDPYILLVSSKVSSTVKDILPLEEVK 240
OY 241 TNRPLLIADVDGEALPTLVNKRIGTFENVVAAPGCGRRKALDELITLGGTVIT 300
DB 241 AGPLLIITAEVDEGALSTLVYNNRIGTFENVVAAPGCGRRKALDELITLGGTVIT 300
OY 301 EDGELTDATMTALGOAKKITVDKSTYIVGSSSSPAIANIALISOLETTSDPR 360
DB 301 ERVGSTLTDVSLGOAKKVVYKDETTIVGSSSDPAIAGVQVRAEITNSDSDPR 360
OY 361 EKLOERLAKLAGVAIVKGAFTETALKEKRLIEDALNMTAAVEGIVAGGGLTIV 420
DB 361 EKLOERLAKLAGVAIVKGAFTETALKEKRLIEDALNMTAAVEGIVAGGGLTIV 420
OY 421 IEKVALLLEGDATGRNIVRALPEVRQIALNNGEGSVIDKLNKSPAGTGFNAATG 480
DB 421 APALDDGLTGDATGRNIVRALPEVRQIALNNGEGSVIDKLNKSPAGTGFNAATG 480
OY 481 EYDMKITGITDPKVTSAQNAASVSLITTEAVVANKPE 523
DB 481 EYEDLLKAGVADPVKVTSAQNAASVSLITTEAVVANKPE 523

```

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RESULT 9
US-09-095-855-114
: Sequence 114, Application US/09095855
: Patent No. 6160093
: GENERAL INFORMATION:
: APPLICANT: Tan, Paul
: APPLICANT: Visser, Elizabeth
: APPLICANT: Skinner, Margot
: APPLICANT: Prestidge, Ross
: TITLE OF INVENTION: Compounds and Methods for
: NUMBER OF SEQUENCES: 208
: TITILE OF INVENTION: Treatment and Diagnosis of Mycobacterial Infections
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Law Offices of Ann W. Spekman
: STREET: 2601 Elliott Avenue, Suite 4185
: CITY: Seattle
: STATE: WA
: COUNTRY: USA
: ZIP: 98121
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Diskette
: OPERATING SYSTEM: DOS
: SOFTWARE: FASTSEQ for Windows Version 2.0
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/095,855
: FILING DATE:
: CLASSIFICATION:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/705,347
: FILING DATE: 29-AUG-1996
: APPLICATION NUMBER: 08/873,970
: FILING DATE: 12-JUN-1997
: APPLICATION NUMBER: 08/997,362
: FILING DATE: 23-DEC-1997
: ATTORNEY/AGENT INFORMATION:
: NAME: Sleath, Janet
: REGISTRATION NUMBER: 37,007
: REFERENCE/DOCKET NUMBER: 11000,1002c3
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 206-269-0565
: TELEFAX: 206-269-0563
: TELEX:

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: INFORMATION FOR SEQ ID NO: 114:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 523 amino acids
: TYPE: amino acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: US-09-095-855-114

```

```

Query Match 61.7%; Score 1643; DB 4; Length 523;
Best Local Similarity 62.7%; Pred. No. 1,9e-127;
Matches 328; Conservative 83; Mismatches 112; Indels 0; Gaps 0;

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OY 1 MAKEIFSNADRAAMRVGYMDLADTVKVTLGPKGRNVYLEKAFSSPLITNDGVITAKEIE 60
DB 1 MATIAYDEARRGLEKRGALADAVVYTLGPKGRNVYLEKAFSSPLITNDGVITAKEIE 60
OY 61 LEDHEENGAALVSEVASKTNDIAGDGTATVLTQALVHGLKWTAGANIGIRGIE 120
DB 61 LEDPYEKIGAEVYEVAKKTDVADGDTTATVLAQALVREGLRNVAAANGLKRGIE 120
OY 121 TATATVETAKAIAPYSGKEALQVAAVSSRSEKVEYISSEMERVNDGVITIEESRG 180
DB 121 KAVEAVTQSLKSAKEVERKEQISATASAGDTQIGELIAEMDKVNEGIVIEESWT 180
OY 181 METELEVEGNOFDRGYLSQVWYTDNENKAVADLENPFLITTDKYSNIQDILPLEEVK 240
DB 181 FGLQLEIEGARDKGYISGFVTDAROEAVLEDPYILLVSSKVSSTVKDILPLEEVK 240
OY 241 TNRPLLIADVDGEALPTLVNKRIGTFENVVAAPGCGRRKALDELITLGGTVIT 300
DB 241 AGPLLIITAEVDEGALSTLVYNNRIGTFENVVAAPGCGRRKALDELITLGGTVIT 300
OY 301 EDGELTDATMTALGOAKKITVDKSTYIVGSSSSPAIANIALISOLETTSDPR 360
DB 301 ERVGSTLTDVSLGOAKKVVYKDETTIVGSSSDPAIAGVQVRAEITNSDSDPR 360
OY 361 EKLOERLAKLAGVAIVKGAFTETALKEKRLIEDALNMTAAVEGIVAGGGLTIV 420
DB 361 EKLOERLAKLAGVAIVKGAFTETALKEKRLIEDALNMTAAVEGIVAGGGLTIV 420
OY 421 IEKVALLLEGDATGRNIVRALPEVRQIALNNGEGSVIDKLNKSPAGTGFNAATG 480
DB 421 APALDDGLTGDATGRNIVRALPEVRQIALNNGEGSVIDKLNKSPAGTGFNAATG 480
OY 481 EYDMKITGITDPKVTSAQNAASVSLITTEAVVANKPE 523
DB 481 EYEDLLKAGVADPVKVTSAQNAASVSLITTEAVVANKPE 523

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RESULT 10
US-09-324-542-114
: Sequence 114, Application US/09324542
: Patent No. 6328978
: GENERAL INFORMATION:
: APPLICANT: Tan, Paul L.J.
: APPLICANT: Watson, James D.
: APPLICANT: Prestidge, Ross
: TITLE OF INVENTION: Methods and Compounds for the Treatment
: TITILE OF INVENTION: of Immunologically-Mediated Skin Disorders
: FILE REFERENCE: 11000,1007c1
: CURRENT APPLICATION NUMBER: US/09/324,542
: EARLIER FILING DATE: 1999-06-02
: EARLIER APPLICATION NUMBER: US 08/997,080
: NUMBER OF SEQ ID NOS: 194
: SOFTWARE: FASTSEQ for Windows Version 3.0
: SEQ ID NO 114
: LENGTH: 523
: TYPE: PRT
: ORGANISM: Mycobacterium vaccae
: US-09-324-542-114

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Wed Apr 16 08:08:21 2003

us-09-001-737-8.ra1

Page 7

Query Match 61.7%: Score 1643; DB 4; Length 523;
Best Local Similarity 62.7%: Pred. No. 1.9e-127;
Matches 398; Conservative 83; Mismatches 112; Indels 0; Gaps 0;

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QY 1 MAKEIKESADARAAMRGVDMLADTVYTLGPKRGNNVLEKAFSPITNDGVYIAKIE 60
DB 1 MAKTAIDEERKRGLEKGLNADAVYTLGPRGRNVYLEKMKAPITNDGVYIAKIE 60
QY 61 LEDHEFNMGAKLVSEVASKTNDIAGDGTATVYTLQAIHBEGLKNVYAGANPIGIRGIE 120
DB 61 LEDPEYKIGAEVYKAKTDDVAGDGTATVYLAQALVREGLRNVYAGANPILGKRGIE 120
QY 121 TATATAVEALKAIAOPVSGKEAIAQVAASRSSEKGEYISPEMERVNGDGVYIEESRG 180
DB 121 KAVEAVTOSLKSAREVEETKEOISATTAISAGDTQIGELIAEMADKVGNEGVYIEESNT 180
QY 181 METELEVEGMOFDRGYLSOYVYTDNENKVAADLENPFILITDKKVSNIODIIPLEBYLK 240
DB 181 FGLQLELTGEMRFDRGYISGYFTVDAERQAVLEDPYILLVSKSVSTVVDLPLEKVIQ 240
QY 241 TNRELLIADVDGALPTVYLNKIRGTFFNVYAVKAPGGRKRAMLEDAIILGCVYT 300
DB 241 AGRPILLIADVEGALSTLVNKRIRGTFFKSAVAKAPGGRKRAMLDMAILLGCVYS 300
QY 301 EDGLLEKDATMTALGOAAKITVDKSTVYVSGSSSEAIANRIALIKSOLETTSDPDR 360
DB 301 ERVGLSLETADVSLGQARKVYVTKDETTIVESGSDSIALGRVAQIRAEIENSDDYDR 360
QY 361 EKLQERLAKLAGVAIVKGAFTETALKEMKLRIEDALNTRAAREGIVAGGTAITV 420
DB 361 EKLQERLAKLAGVAIVKAGATEVELEKRRHRIEDAVRNKAAREGIVAGGVALLOS 420
QY 421 IEKVALELEGDDATGRNIYVRLALEEPYQIALNAGYEGSVYIDKLNSPAGTFNNAAG 480
DB 421 APALDGLGTDEATGANIYVRLASAPLKOIAFNGCLEPGVYAEKVSINLPAGHGLNATG 480
QY 481 EYNDMIKTGIIDPVKVTSAALONAAVASLITTEAVYANKPE 523
DB 481 EYEDLLKAGVADPVKVTSAALONAAVASLITTEAVYANKPE 523
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RESULT 11

US-09-205-426-114
Sequence 114, Application US/09205426
Patent No. 6406704
GENERAL INFORMATION:
APPLICANT: Watson, James D.
TITLE OF INVENTION: Compounds and Methods for Treatment and
TITLE OF INVENTION: Diagnosis of Mycobacterial Infections
FILE REFERENCE: 11000.1002c4
CURRENT APPLICATION NUMBER: US/09/205,426
EARLIER FILING DATE: 1998-12-04
EARLIER APPLICATION NUMBER: 09/095,855
EARLIER FILING DATE: 1998-06-11
EARLIER APPLICATION NUMBER: 08/997,162
EARLIER FILING DATE: 1997-12-23
EARLIER APPLICATION NUMBER: 08/873,970
EARLIER FILING DATE: 1997-06-12
EARLIER APPLICATION NUMBER: 08/705,347
EARLIER FILING DATE: 1996-08-29
NUMBER OF SEQ ID NOS: 208
SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 114
LENGTH: 523
TYPE: PRT
ORGANISM: Mycobacterium vaccae
US-09-205-426-114

Query Match 61.7%: Score 1643; DB 4; Length 523;
Best Local Similarity 62.7%: Pred. No. 1.9e-127;
Matches 398; Conservative 83; Mismatches 112; Indels 0; Gaps 0;

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QY 1 MAKEIKESADARAAMRGVDMLADTVYTLGPKRGNNVLEKAFSPITNDGVYIAKIE 60
DB 1 MAKTAIDEERKRGLEKGLNADAVYTLGPRGRNVYLEKMKAPITNDGVYIAKIE 60
QY 61 LEDHEFNMGAKLVSEVASKTNDIAGDGTATVYTLQAIHBEGLKNVYAGANPIGIRGIE 120
DB 61 LEDPEYKIGAEVYKAKTDDVAGDGTATVYLAQALVREGLRNVYAGANPILGKRGIE 120
QY 121 TATATAVEALKAIAOPVSGKEAIAQVAASRSSEKGEYISPEMERVNGDGVYIEESRG 180
DB 121 KAVEAVTOSLKSAREVEETKEOISATTAISAGDTQIGELIAEMADKVGNEGVYIEESNT 180
QY 181 METELEVEGMOFDRGYLSOYVYTDNENKVAADLENPFILITDKKVSNIODIIPLEBYLK 240
DB 181 FGLQLELTGEMRFDRGYISGYFTVDAERQAVLEDPYILLVSKSVSTVVDLPLEKVIQ 240
QY 241 TNRELLIADVDGALPTVYLNKIRGTFFNVYAVKAPGGRKRAMLEDAIILGCVYT 300
DB 241 AGRPILLIADVEGALSTLVNKRIRGTFFKSAVAKAPGGRKRAMLDMAILLGCVYS 300
QY 301 EDGLLEKDATMTALGOAAKITVDKSTVYVSGSSSEAIANRIALIKSOLETTSDPDR 360
DB 301 ERVGLSLETADVSLGQARKVYVTKDETTIVESGSDSIALGRVAQIRAEIENSDDYDR 360
QY 361 EKLQERLAKLAGVAIVKGAFTETALKEMKLRIEDALNTRAAREGIVAGGTAITV 420
DB 361 EKLQERLAKLAGVAIVKAGATEVELEKRRHRIEDAVRNKAAREGIVAGGVALLOS 420
QY 421 IEKVALELEGDDATGRNIYVRLALEEPYQIALNAGYEGSVYIDKLNSPAGTFNNAAG 480
DB 421 APALDGLGTDEATGANIYVRLASAPLKOIAFNGCLEPGVYAEKVSINLPAGHGLNATG 480
QY 481 EYNDMIKTGIIDPVKVTSAALONAAVASLITTEAVYANKPE 523
DB 481 EYEDLLKAGVADPVKVTSAALONAAVASLITTEAVYANKPE 523
```

RESULT 12

US-08-461-722-4
Sequence 4, Application US/08461722
Patent No. 6353183
GENERAL INFORMATION:
APPLICANT: Young, Richard A. and Young, Douglas
TITLE OF INVENTION: Stress Proteins and Uses Therefor
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: 2 Millitia Drive
CITY: Lexington
STATE: MA
COUNTRY: USA
ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/461,722
FILING DATE: 05-JUNE-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/336,251
FILING DATE: 03-NOV-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/06362
FILING DATE: 06-JUN-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/073,381
FILING DATE: 04-JUN-1993
CLASSIFICATION: 435

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/804,632
 FILING DATE: 09-DEC-1991
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/366,581
 FILING DATE: 15-JUN-1989
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/207,298
 FILING DATE: 15-JUN-1988
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: PCT/US89/02619
 FILING DATE: 15-JUN-1989
 ATTORNEY/AGENT INFORMATION:
 NAME: Granahan, Patricia
 REGISTRATION NUMBER: 32,227
 REFERENCE/DOCKET NUMBER: WH188-08AFA4
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 861-6240
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 540 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-461-722-4

Query Match 61.6%; Score 1639.5; DB 4; Length 540;
 Best Local Similarity 61.0%; Pred. No. 3.8e-127;
 Matches 331; Conservative 87; Mismatches 120; Indels 5; Gaps 2;

1 MAKEIKFSADARAARAVRGVMDLADTVKVTIGPKGRNVLEKAFSGPLITNDGYTIKKEIE 60
 1 NAKTIIVDEBARGLERGLNLDLAVKVTIGPKGRNVLEKAKGAPITINDGYSIKKEIE 60
 61 LEDHEFMGAKLYSVASKTNDIAGDGTATVTLQAIYHEGLKAVTAGANPGIRGIE 120
 61 LEDYEIKGELVEKAKTIDVAGDGTITATVLAOLKREGLNVAAGANPGIRGIE 120
 121 TATATVEALKAIAPVSGKEAIAOVAANSSRSKGVETISEMERVGNQGVITIEESRG 180
 121 KAVKVTETILKGAKEVETKEQIATAATAIISAGDOSIGDLIAEMDKVNGEVITVEESNT 180
 121 TATATVEALKAIAPVSGKEAIAOVAANSSRSKGVETISEMERVGNQGVITIEESRG 180
 121 KAVKVTETILKGAKEVETKEQIATAATAIISAGDOSIGDLIAEMDKVNGEVITVEESNT 180
 181 METELEVEGMOFDRGYLSQYVTDNEKKNVADLENPFIITDKVSNIDILPLEEVLK 240
 181 FGLDELTEGMRFDGYISGYFTDPERGEAVLEDDPYILVSSKVTXKDLPLEEVLK 240
 241 TNRPLLIADVDGEALPTLVLNKIRGTFFNVVAVKAPGFGRRKAMLEDAITLTGTVIT 300
 241 AKRPLLIADVEDGEALSTLVNKKIRGTFKSVAVKAPGFGRRKAMLODMALITGGVYS 300
 301 EDLGLKDATATLGOAAKITVDKDSVIYEGSGSSEAIANRIALKSOLETTSDPDR 360
 301 EEVGLTLENADSLIGKARARVYTKDETTIYEGAGDTDAIGRAVQIROIENSSODYDR 360
 361 EKLQERLAKLAGVAVIKVAPFETALKEKMLRIEDALNATRAVERGIYAGGATLIV 420
 361 EKLQERLAKLAGVAVIKAGATEVELEKERNHRIEDAVNNKAAVEGIYAGGATLIV 420
 421 IEKVALLEEDPDATGRNIVYLALEEPRQALAMAGYEGSVYIDKLNSPAGTGNATG 480
 421 APIIDELKEDEBANTANIKYALEAPAKQJATNSGLEGGVAAKVNINPACHGILNQTG 480
 481 EMDMDIKTIIIDPVKTRSLQNAASVASLITTEAVANPEBAPAPAMPAGNDGGM 540
 481 VTECLLAAGVADPVKTRSLQNAASVASLITTEAVADKPE--KEKASVGG---GDM 535
 541 GGM 543
 536 GGM 538

Sequence 4, Application US/08336251
 Patent No. 6338952
 GENERAL INFORMATION:
 APPLICANT: Young, Richard S.
 TITLE OF INVENTION: Stress Proteins and Uses Therefor
 NUMBER OF SEQUENCES: 4
 CORRESPONDENCE ADDRESS:
 STREET: 2 Militia Drive
 CITY: Lexington
 STATE: MA
 COUNTRY: USA
 ZIP: 02173
 COMPUTER READABLE FORM:
 MEDIUM TYPE: floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/336,251
 FILING DATE: 03-NOV-1994
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: PCT/US94/06362
 FILING DATE: 06-JUN-1993
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/073,381
 FILING DATE: 04-JUN-1993
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/804,632
 FILING DATE: 09-DEC-1991
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/366,581
 FILING DATE: 15-JUN-1989
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/207,298
 FILING DATE: 15-JUN-1988
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: PCT/US89/02619
 FILING DATE: 15-JUN-1989
 ATTORNEY/AGENT INFORMATION:
 NAME: Granahan, Patricia
 REGISTRATION NUMBER: 32,227
 REFERENCE/DOCKET NUMBER: WH188-08AFA3
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 861-6240
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 540 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-336-251-4

Query Match 61.6%; Score 1639.5; DB 4; Length 540;
 Best Local Similarity 61.0%; Pred. No. 3.8e-127;
 Matches 331; Conservative 87; Mismatches 120; Indels 5; Gaps 2;

1 MAKEIKFSADARAARAVRGVMDLADTVKVTIGPKGRNVLEKAFSGPLITNDGYTIKKEIE 60
 1 NAKTIIVDEBARGLERGLNLDLAVKVTIGPKGRNVLEKAKGAPITINDGYSIKKEIE 60
 61 LEDHEFMGAKLYSVASKTNDIAGDGTATVTLQAIYHEGLKAVTAGANPGIRGIE 120
 61 LEDYEIKGELVEKAKTIDVAGDGTITATVLAOLKREGLNVAAGANPGIRGIE 120
 121 TATATVEALKAIAPVSGKEAIAOVAANSSRSKGVETISEMERVGNQGVITIEESRG 180
 121 KAVKVTETILKGAKEVETKEQIATAATAIISAGDOSIGDLIAEMDKVNGEVITVEESNT 180
 121 TATATVEALKAIAPVSGKEAIAOVAANSSRSKGVETISEMERVGNQGVITIEESRG 180
 121 KAVKVTETILKGAKEVETKEQIATAATAIISAGDOSIGDLIAEMDKVNGEVITVEESNT 180
 181 METELEVEGMOFDRGYLSQYVTDNEKKNVADLENPFIITDKVSNIDILPLEEVLK 240

RESULT 13
 US-08-336-251-4

Db 181 FGLQLELTKGKRFKCTIGSYVDPDPERQAVLEDPITLLVSKSVSTVADLPLELEVIG 240
QY 241 TNRPLLIADVDGEALPTLVNKRIGTFNVAVAKPGFGDRRKAMLEDTALITGGVIT 300
Db 241 AGPLLIADVEGEALSTLVNKRIGTFNVAVAKPGFGDRRKAMLEDTALITGGVIT 300
QY 301 EDGLLEKDATMTALGOAKITVDKSTVIVEGSSSEAIANRIALIKSOLETTTSDPDR 360
Db 301 EEVGLTLENADLSLGRKARKVVTDETTIEGAGDTDAIGRAQIOREINSQSDYDR 360
QY 361 EKLOERLAKLAGVAVIKVAPFETALKEKRLIEDALNATRAAVEGIVAGGFTALITV 420
Db 361 EKLOERLAKLAGVAVIKVAPFETALKEKRLIEDALNATRAAVEGIVAGGFTALITV 420
QY 421 IEKVALELEGGDATGRNITVLALEEPVROIALNMGESVYIDKLSNPAAGTGNATG 480
Db 421 APTLELKEGDEATGANIVKALEPLKQIAFNSGLEPGVAVAKRNLPAGHGLNQTG 480
QY 481 EMDMKTGIIIDPYKTRSAIONAASVSLITTEAVYANKPEPATAPAMPAGMDPDM 540
Db 481 VYEDLLAGVADPKVTRSAIONAASVSLITTEAVYANKPEPATAPAMPAGMDPDM 540
QY 541 GGM 543
Db 536 GGM 538

RESULT 14
PCT-US94-06362-4
Sequence 4, Application PC/TUS9406362

GENERAL INFORMATION:

APPLICANT:
TITLE OF INVENTION: Stress Proteins and Uses Therefor
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
CITY: Lexington
STATE: MA
COUNTRY: USA
ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/06362
FILING DATE: 06-JUN-1994
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/073,381
FILING DATE: 04-JUN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: WH188-08AFA2 PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 861-6240
INFORMATION FOR SEQ. ID NO. 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 340 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US94-06362-4

Query Match 61.6%; Score 1639.5; DB 5; Length 540;
Best Local Similarity 61.0%; Pred. No. 3.8e-127;
Matches 331; Conservative 87; Mismatches 120; Indels 5; Gaps 2;

QY 1 MAKEIKFSADARAAMVRCVMDLADIVKVTGLPGKRNVLKAFSGPLITNDGVITAKIE 60
Db 1 MAKTIAYDEBARRGLENGLNALADAVKVTGLPKGRNNVLEKRWGAPITITNDGVITAKIE 60
QY 61 LEDHEFMGAKLVSEVASKNDIAGDGTTFATVTOAIHREGKRVNAGANPGIRGIE 120
Db 61 LEDYERKIGELVKEVAKTKTDVAGGGTTATVLAOLKEGLRNVAAGANPLGKRIE 120
QY 121 TATATVAELKAIADPVSGKEAIAOVAVSSRSKGEVYISPMERVNGCVITTEESRG 180
Db 121 KAVEKTEFLTKGAEVETKEOIAATPAISAGDSIODLIAADKNGNCGVITVEESNT 180
QY 181 METELEVYNGQFDGYSOYMTDNEKRVADLENPILITKKYSINODILPLEEVLK 240
Db 181 FGLQLELTKGKRFKCTIGSYVDPDPERQAVLEDPITLLVSKSVSTVADLPLELEVIG 240
QY 241 TNRPLLIADVDGEALPTLVNKRIGTFNVAVAKPGFGDRRKAMLEDTALITGGVIT 300
Db 241 AGPLLIADVEGEALSTLVNKRIGTFNVAVAKPGFGDRRKAMLEDTALITGGVIT 300
QY 301 EDGLLEKDATMTALGOAKITVDKSTVIVEGSSSEAIANRIALIKSOLETTTSDPDR 360
Db 301 EEVGLTLENADLSLGRKARKVVTDETTIEGAGDTDAIGRAQIOREINSQSDYDR 360
QY 361 EKLOERLAKLAGVAVIKVAPFETALKEKRLIEDALNATRAAVEGIVAGGFTALITV 420
Db 361 EKLOERLAKLAGVAVIKVAPFETALKEKRLIEDALNATRAAVEGIVAGGFTALITV 420
QY 421 IEKVALELEGGDATGRNITVLALEEPVROIALNMGESVYIDKLSNPAAGTGNATG 480
Db 421 APTLELKEGDEATGANIVKALEPLKQIAFNSGLEPGVAVAKRNLPAGHGLNQTG 480
QY 481 EMDMKTGIIIDPYKTRSAIONAASVSLITTEAVYANKPEPATAPAMPAGMDPDM 540
Db 481 VYEDLLAGVADPKVTRSAIONAASVSLITTEAVYANKPEPATAPAMPAGMDPDM 540
QY 541 GGM 543
Db 536 GGM 538

RESULT 15
US-08-467-822-34
Sequence 34, Application US/08467822

GENERAL INFORMATION:

APPLICANT: Labigne, Agnes
APPLICANT: Sauerbaum, Sebastien
APPLICANT: Ferrero, Richard L.
APPLICANT: Thiberge, Jean-Michel
TITLE OF INVENTION: IMMUNOGENIC COMPOSITIONS AGAINST
TITLE OF INVENTION: HELICOBACTER INFECTION. POLYPEPTIDES FOR USE IN THE
COMPOSITIONS, AND NUCLEIC ACID SEQUENCES ENCODING SAID
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Flanagan, Henderson, Parabow, Garrett &
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20005-3315
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,822
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/447,177
FILING DATE: 19-MAY-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/432,697
FILING DATE: 02-MAY-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Meyers, Kenneth J.
REGISTRATION NUMBER: 25,146
REFERENCE/DOCKET NUMBER: 03495.0137-02000
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 408-4000
TELEFAX: (202) 408-4400
INFORMATION FOR SEQ ID NO: 34:
SEQUENCE CHARACTERISTICS:
LENGTH: 541 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-467-822-34

Query Match 61.6%; Score 1639.5; DB 2; Length 541;
Best Local Similarity 60.9%; Pred. No. 3.8e-127;
Matches 332; Conservative 87; Mismatches 119; Indels 7; Gaps 3;

QY 1 MAKEIKESADARAARVGVDMADTVKVTLSGKGRNVVLEKAFSGSLITNDGVTIKKEIE 60
DB 1 MAKTIAYDEAFARGLERGLNSLADAVKVTLSGKGRNVVLEKAKWAPITINDGVSINKKEIE 60
QY 61 LEDHEENMGAKLVEYFASKTNDIAGDGTATVLTQAIYHEGLKNVTGANGPIGRGIE 120
DB 61 LEDPEKIGAEVKEVAKKTDVAGDGTITATVLAQALYEGELRNVAAGANPLGLRGIE 120
QY 121 TATATVEALKAIQPVSGKEAIAOVANVSRSKEVEYISEMERVNGDGVITIEESRG 180
DB 121 KAVDKVETILLDAKEVETKEQIAATRAISAGDOSIGDLIAEMDKVNGEYITVEESNT 180
QY 181 METELEVEENMGDFDGYLSQMTVDNEKNVADLENPFILTDKVVSNIDILPLEEVLK 240
DB 181 FGLDLELFBGMRFDKGYISGFYTDAREQEALEEPYILVSSKVSIVKDLPLEKVIO 240
QY 241 TNRPLLIADVDGEALPTLVLRKIRGFENVVAVKAFGDRRKAMLEDAIILTGTVIT 300
DB 241 AKKSLLIIADVEGALSTLVNKRIGTFKSAVKAFCGDRRKAMLDMAIILTGAQVIS 300
QY 301 EDLGLLELDATMTALGQAAKITVDKDSVIVEGSGSSEAANRIALIKSOLETTSDPDR 360
DB 301 EEVGLTLENTDLSLGGKARKVYMTKDETTIVEGAGTDALAGRVAGQIRTEIENSDDYDR 360
QY 361 EKLOERLAKIAGVAVIVKGAFTETALKEMLRIEDALNATRAAEGIVAGGCTALTIV 420
DB 361 EKLOERLAKIAGVAVIVKAGATEVELERKRIEDAVRNAAKAVEGIVAGGCTILLQA 420
QY 421 IEKVALEEGDDATGRNIVLRALPEPBOALNAGVEGVYIDKLNSPAGTGNATG 480
DB 421 APAIDKAKLGDDEATGANIVKVALEAPKQIAFNSGMEGVAAEVRNLVSGHNLAAATG 480
QY 481 EYVDIMKITGLIDPVKVTSAQONASVSLITTEAVVANKPEPATPAPAMPAGMDPGM 540
DB 481 EYEDLNAAGVADPVKVTSAQONASISAGLFTTEAVVADKPE-KTAAAP---SDP--T 533
QY 541 GGMGG 545
DB 534 GGMGG 538

Search completed: April 8, 2003, 14:24:52
Job time : 19 secs